



# SAN DIEGO COUNTY INDIAN GAMING LOCAL COMMUNITY BENEFIT COMMITTEE

## Application Form For FY 2011-2012 Grants

- A. Name of Jurisdiction: San Diego Sheriff's Department - ASTREA
- B. Mailing Address of Jurisdiction: 1745 North Marshall Avenue, El Cajon, CA 92020
- C. Name of Project: Aircraft High-Intensity Lighting System
- D. Impacts are associated with which casino(s)? Barona, Sycuan and all area casinos
- E. The following uses are the priorities for receipt of grant money.  
Please check all the priorities the project satisfies:

Law Enforcement: <b>XXX</b>	Fire Services	Emergency Medical Services
Environmental Impacts	Water Supplies	Waste Disposal
Behavioral Health	Public Health	Planning and Adjacent Land Uses
Roads	Recreation and Youth Programs	Child Care Programs

- F. On a separate sheet, please provide the following:
  - 1) A complete description of the project;

2) Evidence showing the relationship between the project and impacts on your jurisdiction associated with the particular casino(s) listed under "D" above, and data linking the percentage of the requested funding to the percentage of impacts associated with particular casinos (include the data source); and

3) An explanation of how the proposed project will mitigate impacts of casino(s).

G. Type of grant for which you are applying: (Check each that applies)

1. **60% Nexus Grant (note that only County of San Diego Offices and Departments are eligible for this type of grant)<sup>1</sup> XXX**

2. **20% Non-Nexus Grant XXX**

These "20% Non-Nexus Grants" are intended only for local jurisdictions (County, cities and special districts) impacted by Barona and/or Sycuan Casinos.

3. **20% Non-Nexus Grant XXX**

These "20% Non-Nexus Grants" are intended for local jurisdictions (County, cities and special districts) impacted by casinos of Tribes NOT paying into the Special Distribution Fund<sup>2</sup> and for assistance to local jurisdictions for one-time large capital projects.

H. What is the project's estimated time frame? July 1, 2012 – June 30, 2013

I. Proportionate share of the project expenditure that mitigates the impact from the casino(s): 100%

J. Amount of funding requested through this application: \$61,703.71

K. What will be the total cost of the project? \$61,703.71

L. If total cost of the project exceeds amount of funding requested, please name other sources of funding that will be contributed to the project and the amount provided by each source: \_\_\_\_\_

M. On a separate sheet, please describe how you intend to meet the requirement that grant recipients must provide notice to the public, either through a slogan, signage or other mechanism, which states that the project has received funding

<sup>1</sup> County of San Diego is the only "local government jurisdiction" that meets two or more nexus criteria.

<sup>2</sup> Campo, La Jolla (proposed), La Posta, Pala, Pauma, Rincón, San Pasqual, Santa Ysabel and Viejas Bands.

from the Indian Gaming Special Distribution Fund and further identifies the particular Individual Tribal Casino Account from which the grant derives.

Please e-mail the complete Application to [Eric.Lardy@sdcounty.ca.gov](mailto:Eric.Lardy@sdcounty.ca.gov) **AND** hand-deliver or mail a copy with the page containing the original Authorized Signature to the following address **by March 16, 2012**.

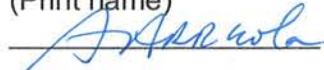
County of San Diego  
Attn. Mr. Eric Lardy  
1600 Pacific Highway  
Room 212, MS A6  
San Diego, CA 92101

I, Andrea Arreola, hereby acknowledge that the grant funds requested herein shall be used solely for the purpose that to the best of my knowledge mitigates impacts from casino projects. In compliance with AB 158, I agree to ensure that all grant funds received shall be deposited in a separate interest-bearing account; and at the completion of the project, I agree to return any earned interest or cost savings from the project to the County for reallocation by the Indian Gaming Local Community Benefit Committee.

Submitted by: Andrea Arreola

Title: Lieutenant

(Print name)



Date: March 16, 2012

(Authorized Signature)

**CONTACT PERSON:** Name: Todd Richardson, Lieutenant

Phone: 619-956-4930

Fax: 619-956-4920

E-mail Address: [Todd.Richardson@sdsheriff.org](mailto:Todd.Richardson@sdsheriff.org)

## San Diego County Indian Gaming Local Community Benefit Committee

## Attachment F

Description of Project:

The acquisition of an Aircraft High-Intensity Lighting System is being requested to significantly enhance the capabilities of a Sheriff's Astrea Fire/Rescue helicopter. Over the past year, and with some uncertainty as to the future of the City of San Diego Fire Rescue helicopter program, the Sheriff's Astrea Unit has been working diligently to further increase capabilities by adding a night rescue capacity to our mission profile.

From past support by both the Barona and Sycuan tribal communities, they are aware of the important role the Sheriff's Astrea Helicopter Fire/Rescue program plays in protecting vital tribal land resources and peoples. In addition, this project will provide a significant increase in regional response capabilities and specifically in response for critical events or incidents, such as rescues or fire response, in and around the Barona and Sycuan Tribal Lands. In that way, this project will further mitigate traffic impacts to and from tribal lands.

The requested project is for the purchase of a High-Intensity Lighting System by Trakka to support the new night rescue capability. The Trakka lighting system is fully NVC (night vision compliant) and provides daytime, haze, and infra-red (night) capabilities, which is essential to safely fulfilling night rescue missions in remote areas or rough terrain and along access roadways to tribal lands.

Cost of Project:

The acquisition cost for one Aircraft High-Intensity Lighting System (\$54,984.00), including sales tax (\$4,261.26), shipping and handling (\$930.00), and ISF fee of 2.54% (\$1,528.45), is \$61,703.71.

Date: March 9, 2012



To: Mark Cooper – Procurement Specialist  
Copy: Lieutenant Todd Richardson  
San Diego County Sheriff's Department  
Air Support Detail A.S.T.R.E.A.  
1745 North Marshall Avenue  
El Cajon, California 92020  
Phone: 619-956-4930  
Cell: 760-828-0487  
[todd.richardson@sdsheriff.org](mailto:todd.richardson@sdsheriff.org)

23 Kilpa Road  
Moorabbin, Victoria 3189  
Australia  
Phone: +61 3 9553-3000  
Fax: +61 3 9553-0500

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**Subject: Trakkabeam® A800 Searchlight Quotation**

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Dear Mr. Cooper,

On behalf of Trakka, I am pleased to offer a firm-fixed price quotation for the Trakkabeam® A800 model searchlight system. Pricing is as follows:

**System Components:**

		Unit Cost	Qty.	Total
031001-1	A800 Searchlight, Includes (Standard Packaging for shipment)	\$32,500.00	1	\$32,500.00
037003	A800 Dovetail Mounting Block – Type I	\$ 950.00	1	\$ 950.00
021002	Hand Controller, (Custom Configuration)	\$ 2,250.00	1	\$ 2,250.00
011013	28V DC PCIU	\$ 5,500.00	1	\$ 5,500.00
091010	Control Interface Unit (Dual Cyclic/Collective Controls)	\$ 1,660.00	1	\$ 1,660.00
<b>System Cables*</b>				
041034	S/L to Bulkhead Control Cable (0.6m)	\$ 646.00	1	\$ 646.00
041001	S/L to Bulkhead Power Cable (0.6m)	\$ 593.00	1	\$ 593.00
041035	PCIU to Bulkhead Control Cable (2.5m)	\$ 761.00	1	\$ 761.00
041003	PCIU to Bulkhead Power Cable (2.5m)	\$ 709.00	1	\$ 709.00
041007	Port1 PCIU to Hand Controller Cable (4m)	\$ 284.00	1	\$ 284.00
041012	Port 2 PCIU to Hand Controller Cable (4m)	\$ 289.00	1	\$ 289.00
041021	PCIU to CIU Control Cable (2.5m)	\$ 425.00	1	\$ 425.00
041014	Aircraft to PCIU Power Supply Cable (2.5m)	\$ 452.00	1	\$ 452.00
041005	Slave PCIU (4m)	\$ 257.00	1	\$ 257.00
041020	Hand Control, Coiled Cable	\$ 478.00	1	\$ 478.00
<b>System Options:</b>				1
07101x	Camera Slave Firmware	\$ 4,500.00	1	\$ 4,500.00
036003	IR820 nm Filter	\$ 1,200.00	1	\$ 1,200.00
036004	Visible Red Filter	\$ 765.00	1	\$ 765.00
036005	Visible Amber Filter	\$ 765.00	1	\$ 765.00

Quote Total \$ 54,984.00

\*Prices for Cables are calculated at cost for standard length of Cable. Non-standard lengths will be quoted upon request.

Prices are quoted in US Dollars (USD) and are subject to change upon expiration of this quote. Our standard lead time is 60 days from acceptance of PO or sooner. Typically, we can ship quicker if your requirements are urgent.

This quotation will remain valid for sixty days from the date posted on this letter. All products and prices are EXWORKS our factory in Melbourne, Australia and do not include shipping, handling, or insurance. Typical cost for shipping is approximately \$930 USD, per system. Import duties and taxes or fees are the responsibility of the Buyer. Australian imports may be covered by the Australian Free Trade Act. It is the responsibility of the importer to file with US Customs. The Sale of all Trakka Corp products is subject to our Standard terms and Conditions and our published warranties as they apply – available upon request – and may be subject to import / export restrictions.



We look forward to working with you to fulfill your Law Enforcement mission. Let me know how we can make this a success.

Best Regards,

Shawn Mitschelen  
VP, Business Development  
Trakka Corp Pty Ltd  
6817B Academy Parkway E. NE  
Albuquerque, New Mexico 87109  
Office: (505) 369-5984  
Fax: (505) 323-7337  
Cell: (505) 850-6648





The most advanced searchlights available for airborne and marine applications.

Trakka® searchlights deliver the benefits of the latest generation in searchlight technology: innovative, multi-mission capable, light-weight, compact and cost-effective.

#### SUPERIOR BEAM PROFILE

Trakka's unique optical design\* utilizes a Xenon lamp half the size of traditional searchlights to deliver a more intense and consistent beam on the target - where you need it.

The precision design of the optical elements in relation to the arc source is responsible for the effective collimation and reduction of stray light. This eliminates the black hole seen at the center of vision of conventional searchlights and provides an even beam with energy at the edges to avoid lost targets.

#### UNIQUE INTERNAL FILTER WHEEL

Trakka® includes the industry's only in-flight, multi-filter solution. Up to six different filters can be activated at the touch of a button from inside the cockpit.

Filters can range from extremely covert IR to ultra-violet. Others can reduce the glare from fog or white sand, or can enhance natural color in the target field.

The internal design of the filter wheel\* expands mission capabilities, reduces bulk, and weight, and also reduces costly maintenance.

#### MORE EFFICIENT & COST EFFECTIVE

Trakka® offers the highest MTBF (mean time between failures) in the industry. This, together with the standard two-year warranty, makes it the most cost-effective advanced searchlight package available.

\* PATENT-PENDING

[www.vectorbeam.com](http://www.vectorbeam.com)

This information is provided for reference only. Specifications are subject to change without notice.

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## Trakka-A800



Trakka® A800 is the choice of professionals for airborne law enforcement, military, and security industries. For maritime applications, the Trakka® A800M combines the superior performance of the A800 in a ruggedized, marine-ready platform. The A800M is ideally suited for Coast Guard, Harbor Patrol, and many other industrial and commercial applications.

#### COMPACT & LIGHTWEIGHT

By using the most advanced design and fabrication technologies, Trakka® is able to deliver superior searchlight performance while reducing system weight and envelope size.

Trakka® A800 searchlights offer a range of options to suit specific needs. Options include stabilized platforms, slaving to thermal imaging and moving map systems, dual control capability, and more.







## Trakka® advanced searchlight solutions:



### Trakka® A800

- ⊕ Helicopter and fixed-wing aircraft
- ⊕ Marine applications
- ⊕ Lightweight, bright and cost effective
- ⊕ 350° azimuth rotation standard, 360° continuous rotation option available
- ⊕ DO-160E tested and certified
- ⊕ Adjustable software and mechanical stop limits to ensure DO-178 compliance
- ⊕ Integral slaving for most thermal imaging, camera and moving map systems

All Trakka® searchlights are available with the advanced one-touch internal filter system to suit varying mission requirements.

Vectorbeam Technologies proudly backs the A800 searchlight system with a limited two year factory warranty.

For more information, please visit [www.vectorbeam.com](http://www.vectorbeam.com) or contact us for your nearest international Trakka® distributor.

#### PERFORMANCE SPECIFICATIONS

Watts	800
Lumens total	22,500
Peak Illuminance @ 1km	21 lux (2.0) ft-cd
Beam angle (focus)	2.9° - 9°
Diameter at 3300 ft (1 km)	181 ft (55 m), 40% of peak illuminance
Recycle time	Not required
Gimbal control	2 Axis remote
Rotation	Azimuth: +175° / -175° Elevation: +35° / -85°
Slew rate	Azimuth: 0 to 60 degrees per sec. Elevation: 0 to 60 degrees per sec.
Serial communication	RS232 (std.), RS422 or RS485 (opt.)

#### MECHANICAL SPECIFICATIONS

##### SEARCHLIGHT/GIMBAL ASSEMBLY

Envelope Size (minimum)	Height: 17.95 in. (456 mm) Width: 17.80 in. (452 mm)
Envelope Size (maximum)	Height: 22.36 in (568 mm) Width: 17.80 in. (452 mm)
Weight (searchlight/gimbal)	30.89 lbs. (14.0 kg)
Total System Weight (typical)	39 lbs. (17.69 kg) including cables

##### POWER SUPPLY (WIRING JUNCTION)

Size	3.93 x 9.06 x 13.78 in. (100 x 230 x 350 mm)
Weight	8.82 lbs (4.0 kg)

#### ELECTRICAL SPECIFICATIONS

Input range	24 to 32 volts DC
Input current	< 40 amps at 28 volts nominal

#### OPTIONS

Dual Controls with pilot priority switching
Internal Filter wheel with up to 6 filters
Slip-ring for 360° continuous rotation
Smart Drive for RS422 or RS485 slaving capability
Stabilized platform (gimbal)

#### In the U.S. contact:

Shawn Mitschelen - VP Marketing & Sales  
PMB 297  
5901-J Wyoming Blvd. NE  
Albuquerque, New Mexico 87109  
Cell: (505) 850-6648

#### Your local Distributor:



Trakka® searchlights are designed and manufactured by Vectorbeam Technologies. Vectorbeam Technologies' founders have been at the forefront of the design and development of power photonics, imaging systems and high voltage power supplies, since the early 1980's.

Today's products are the culmination of many years of intensive research into all aspects of searchlight technology.

Vectorbeam Technologies is committed to the ongoing development and delivery of innovative products that set new standards in illumination technology.

#### Headquarters:

Vectorbeam Technologies  
76 Herald Street  
Cheltenham Victoria 3192  
Australia  
Phone: +61 3 9583-4380  
Fax: +61 3 9583-6804  
Email: [info@vectorbeam.com](mailto:info@vectorbeam.com)



San Diego County Indian Gaming Local Community Benefit Committee

Attachment M

Notice to the Public:

The San Diego County Sheriff's Department would notify the public of an award for an Aircraft High-Intensity Lighting System through a press release and other publicity as determined by the Sheriff's Media Relations personnel. The helicopter would be clearly placarded displaying support from the fund and specific account.